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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Donald V. Smart
Serial No. : 09/633,837
Filed : August 7, 2000
Title : PULSE CONTROL IN LASER SYSTEMS

Art Unit : 2881
Examiner : Cornelius H. Jackson

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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INFORMATION DISCLOSURE STATEMENT

A copy of the reference listed on the attached form PTO-1449 are enclosed.

Submitted herewith is an English translation of the following foreign language references, or portions thereof:

| Desig. ID | Source |
|-----------|---|
| AA | English-language abstract and drawing (full Japanese patent not included) |

This statement is being filed after a first Office action on the merits, but before receipt of a final Office action or a Notice of Allowance. A check for \$180 in payment of the late submission fee of §1.17(p) is enclosed. Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: July 24, 2003

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Sheet 1 of 1

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| Substitute Form PTO-1449 (Unpublished) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 06457-017002 | Application No. 09/633,837 |
| Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b)) | | Applicant Donald V. Smart | |
| | | Filing Date August 7, 2000 | Group Art Unit 2881 |

| Foreign Patent Documents or Published Foreign Patent Applications | | | | | | | | |
|---|--------------|--------------------|---------------------|-----------------------------|---------|----------|---|----|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation | |
| | | | | | | | Yes | No |
| | AA | JP62086851A2 | 4/1987 | Japan | H01L 27 | 01 | X (English- language abstract only) | |

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|--|-----------------|
| Examiner Signature | Date Considered |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |

Substitute Disclosure Form (PTO-1449)